

ABSTRACT

The drive apparatus of the present invention includes: a recording/reproduction section; and a drive control section. The drive control section performs a process including: determining a physical address indicating a location at which data can be recorded next in the determined track as a next writable address, based on the last recorded address in the determined track; comparing the physical address corresponding to the logical address included in the recording instruction with the next writable address; when the physical address corresponding to the logical address included in the recording instruction is smaller than the next writable address, performing a process including: controlling the recording/reproduction section to record the data at a specific location in the user data area, the specific location being a location other than the location indicated by the physical address corresponding to the logical address included in the recording instruction; generating new disc management information including replacement management information for mapping the physical address corresponding to the logical address included in the recording instruction to the physical address indicating the specific location and the last recorded address updated by recording of the data; and controlling the recording/reproduction section to record the new disc management information in the disc management information area; when the physical address corresponding to the logical address included in the recording instruction is equal to the next writable address, performing a process including: controlling the recording/reproduction section to record the data at location indicated by the physical address corresponding to the logical address included in the recording instruction; generating new disc management information including the last recorded address updated by recording of the data; and controlling the recording/reproduction section to record the new disc management information in the disc management information area.